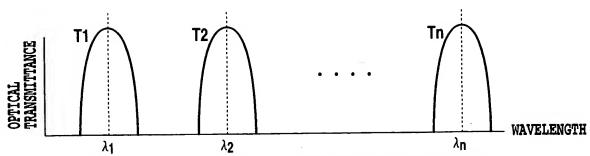


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FIG.1



COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT TRANSMISSION CHANNEL WAVEGUIDES T1, T2, ..., Tn AND OUTPUT TRANSMISSION CHANNEL WAVEGUIDE T0

FIG.2A

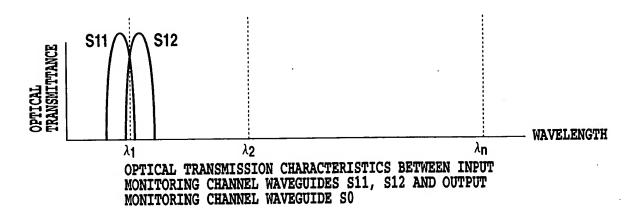


FIG.2B



COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN GROUP OF INPUT MONITORING CHANNEL WAVEGUIDES AND OUTPUT MONITORING CHANNEL WAVEGUIDE SO

FIG.2C

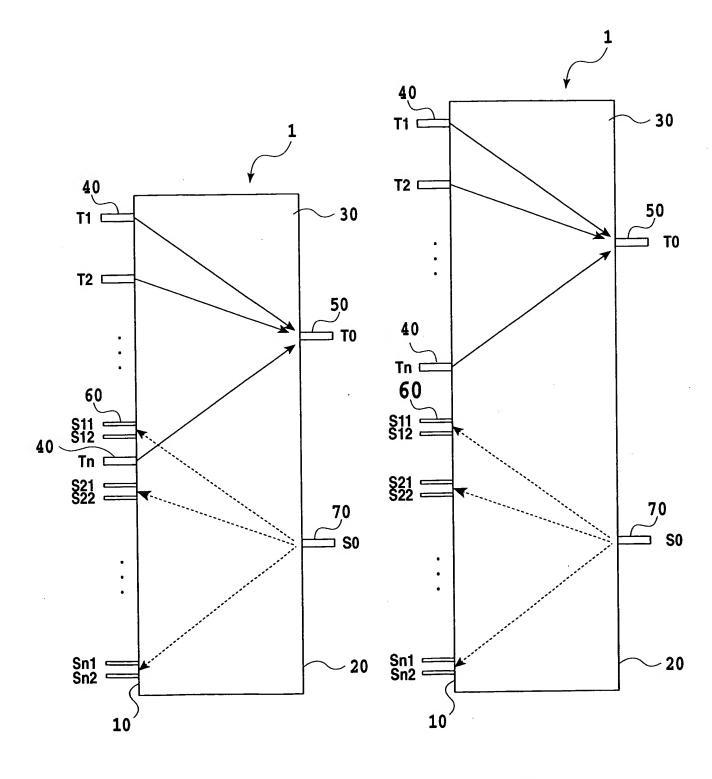
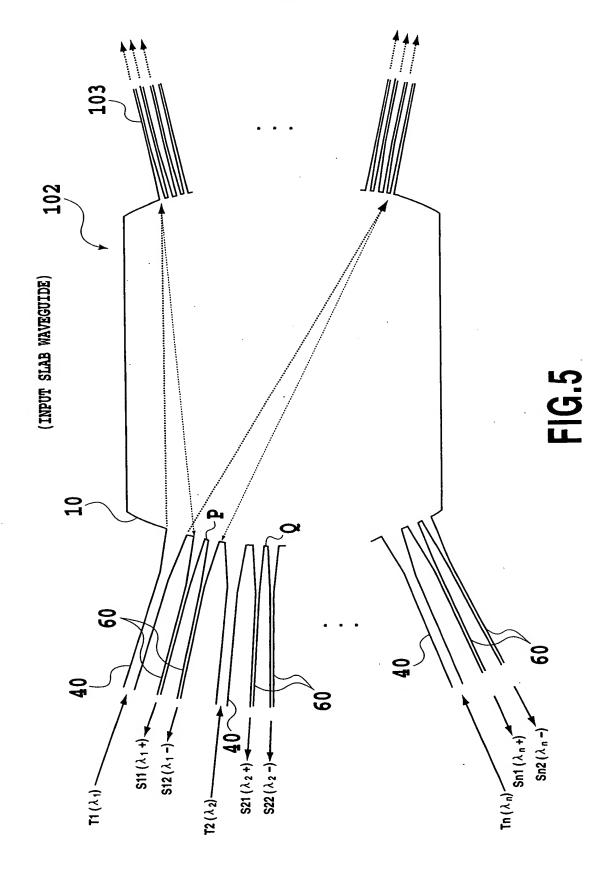


FIG.3A

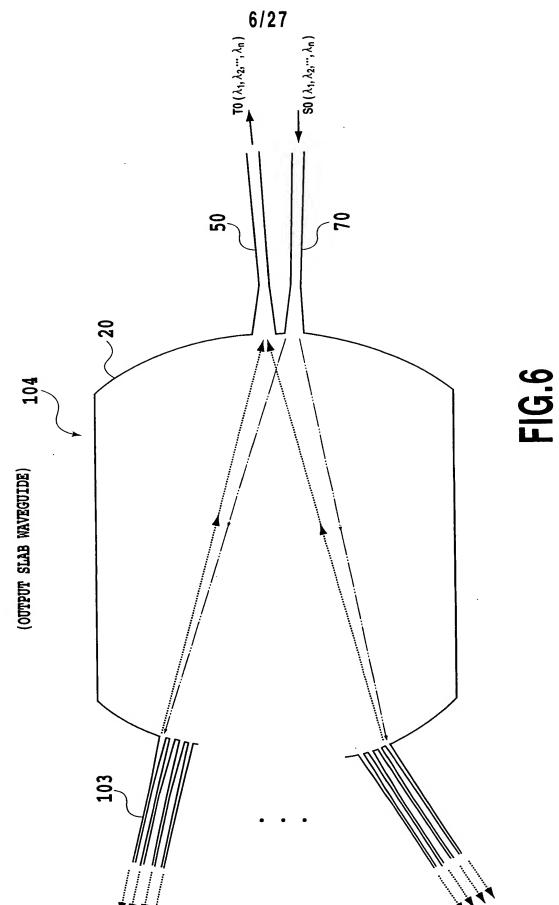
FIG.3B

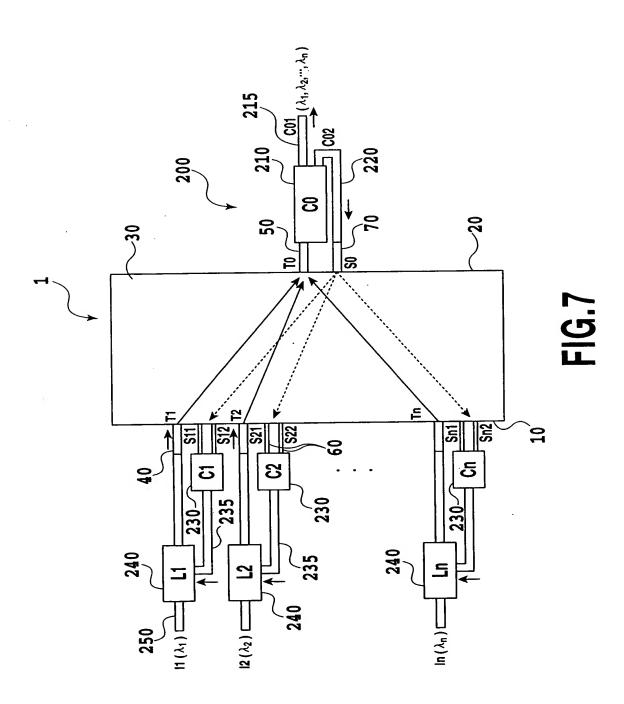
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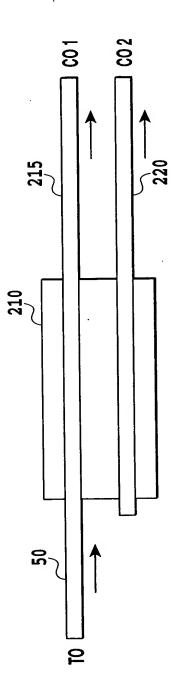
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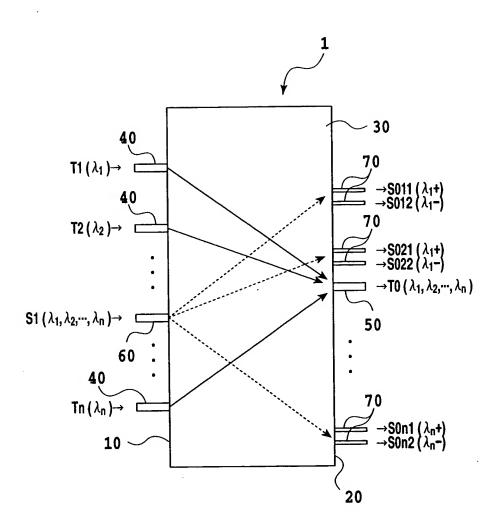


FIG.10

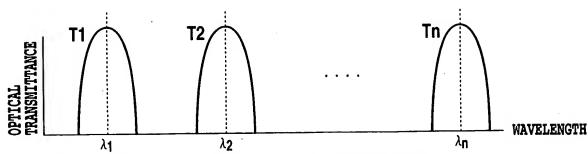


FIG.11A

COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT TRANSMISSION CHANNEL WAVEGUIDES T1, T2, ..., Tn AND OUTPUT TRANSMISSION CHANNEL WAVEGUIDE TO

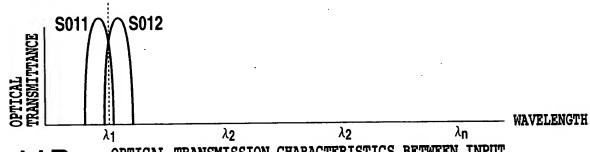
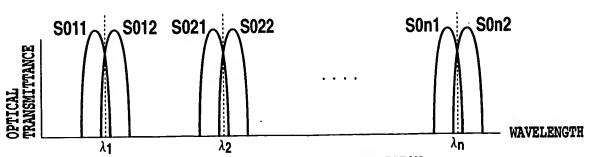


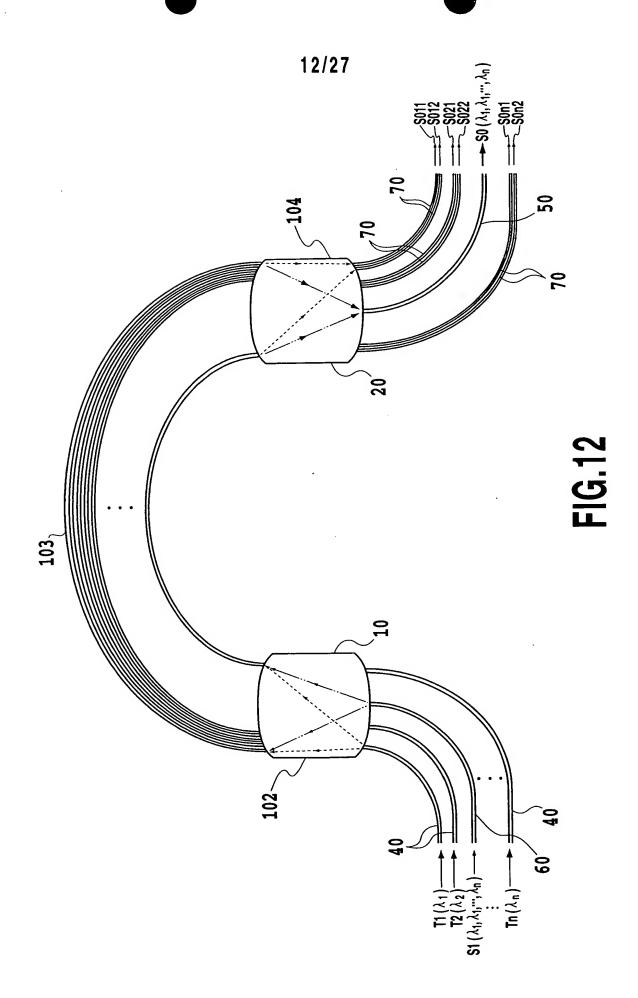
FIG.11B

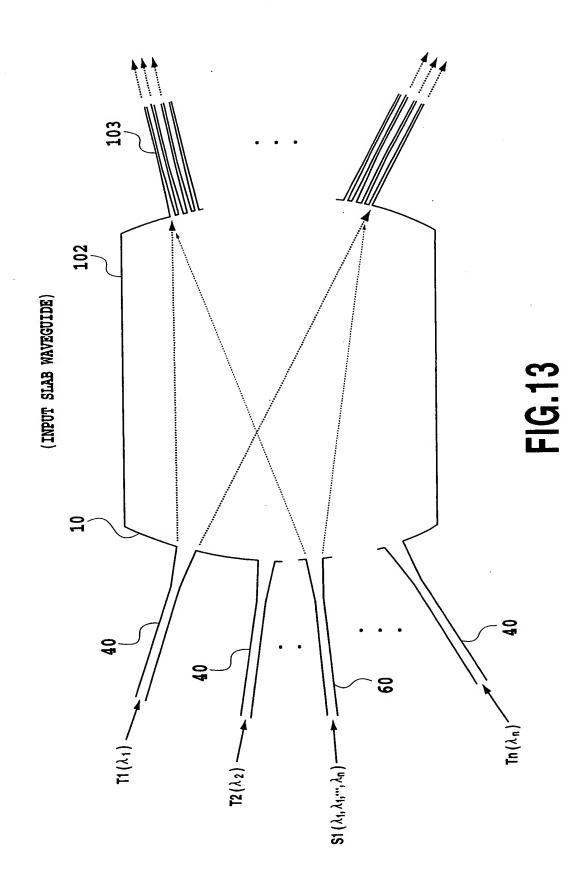
OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDE S1 AND OUTPUT MONITORING CHANNEL WAVEGUIDES S011, S012



COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDE S1 AND GROUP OF OUTPUT MONITORING CHANNEL WAVEGUIDES S011, S012, S021, S022, ..., S0n1, S0n2

FIG.11C





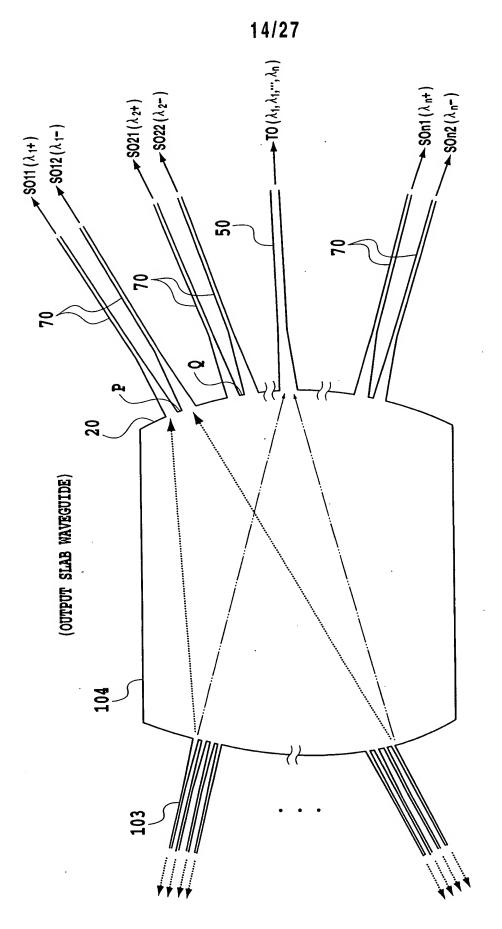


FIG.14

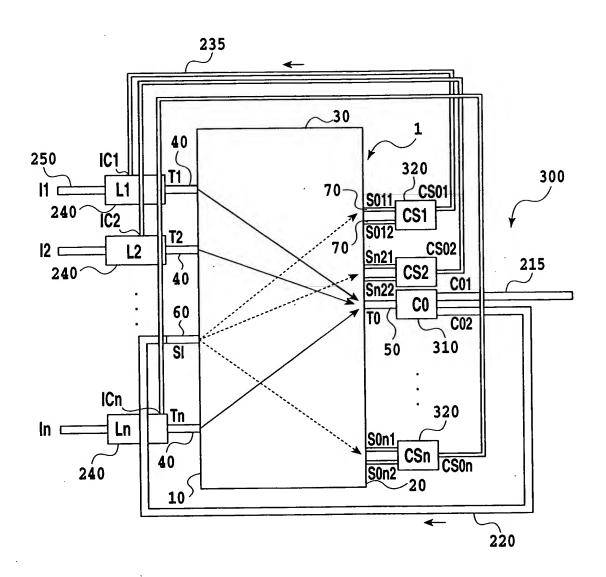
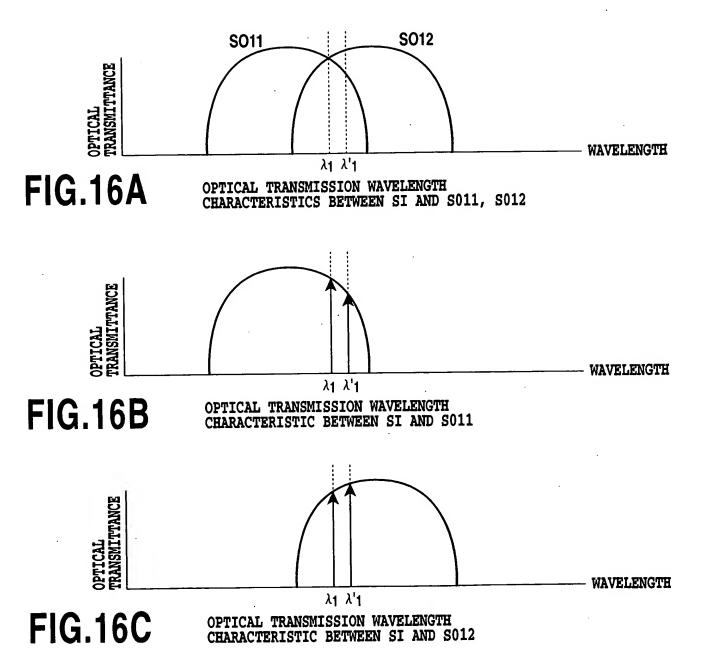


FIG.15



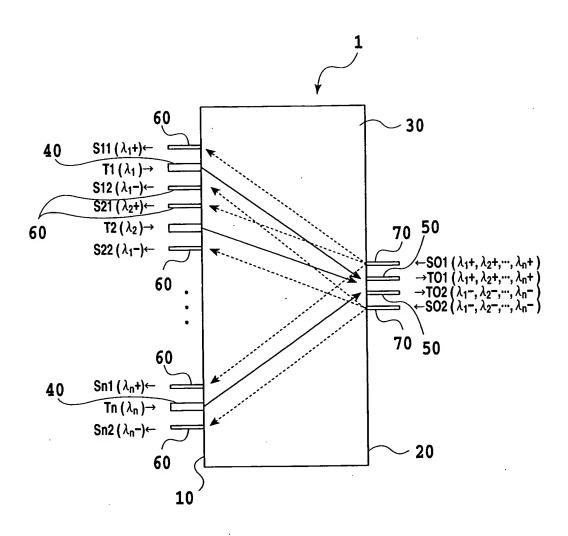
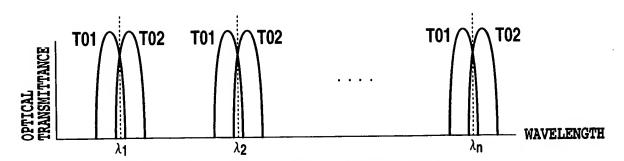


FIG.17



(b) COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT TRANSMISSION CHANNEL WAVEGUIDES T1, T2, ..., Tn AND OUTPUT TRANSMISSION CHANNEL WAVEGUIDES T011, T012

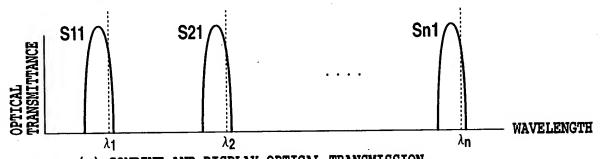
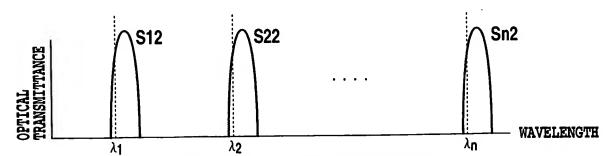
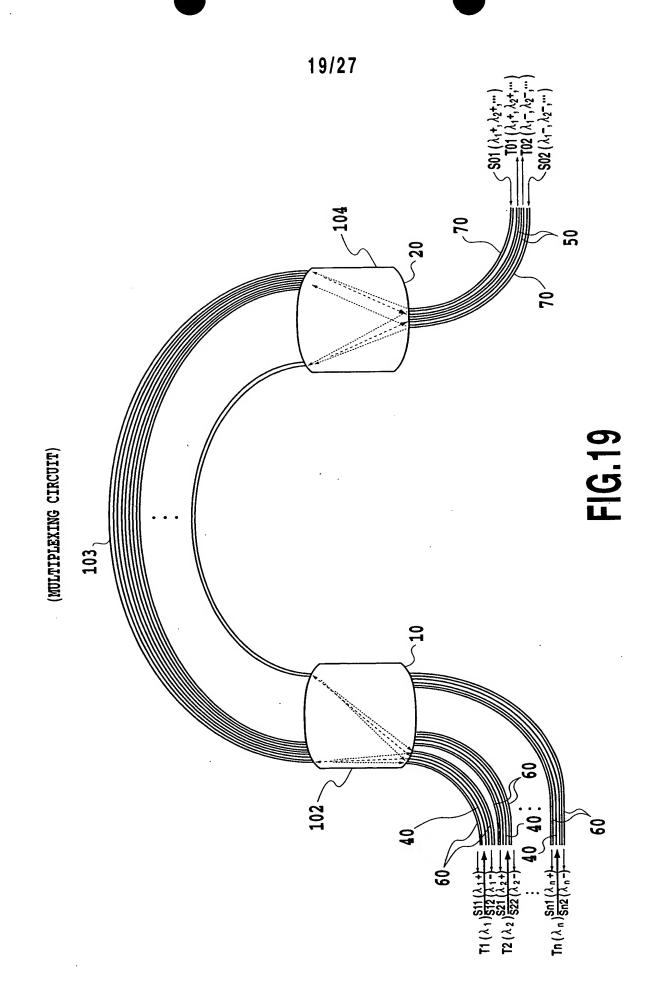


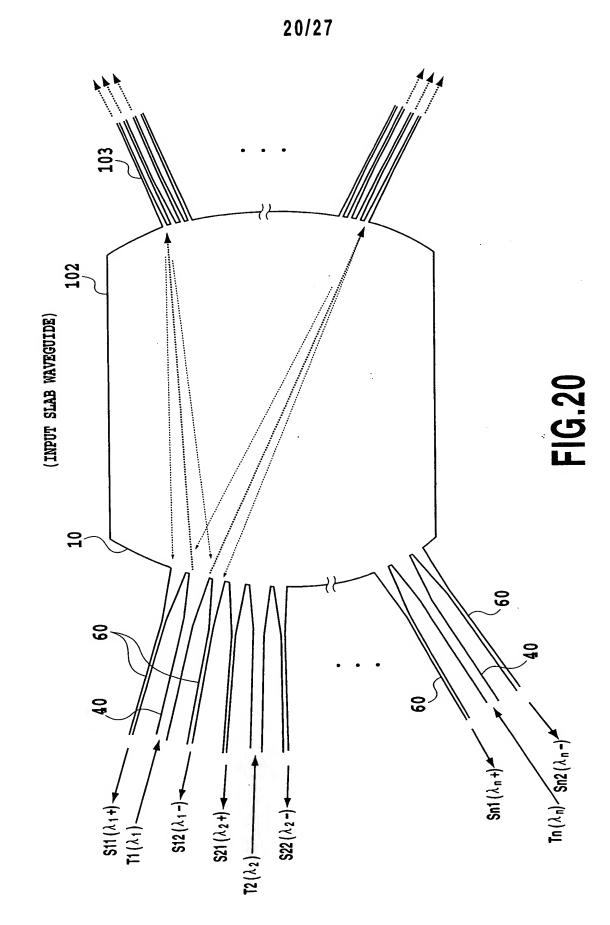
FIG. 18B (c) COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDES \$11, \$21, ..., \$n1 AND OUTPUT MONITORING CHANNEL WAVEGUIDE \$01



(d) COMBINE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN INPUT MONITORING CHANNEL WAVEGUIDES S12, S22, ..., Sn2 AND OUTPUT MONITORING CHANNEL WAVEGUIDE S02

FIG.18C





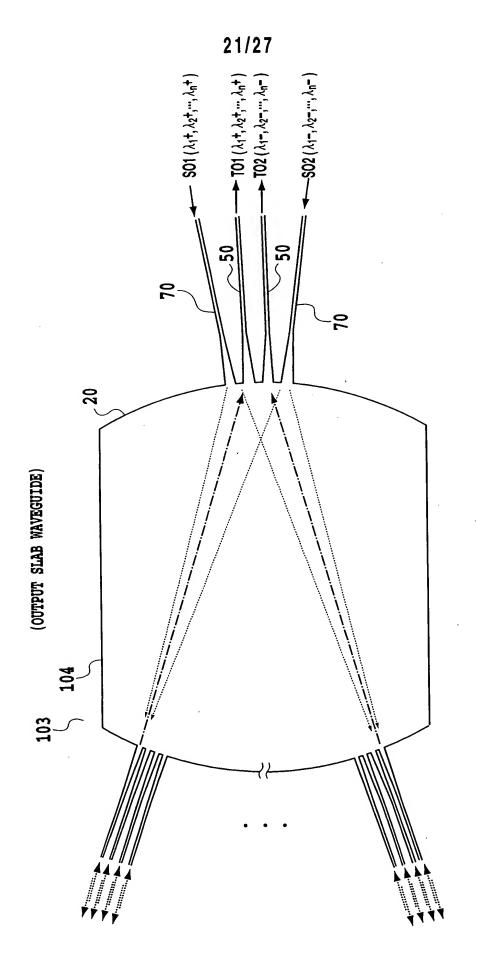


FIG.21

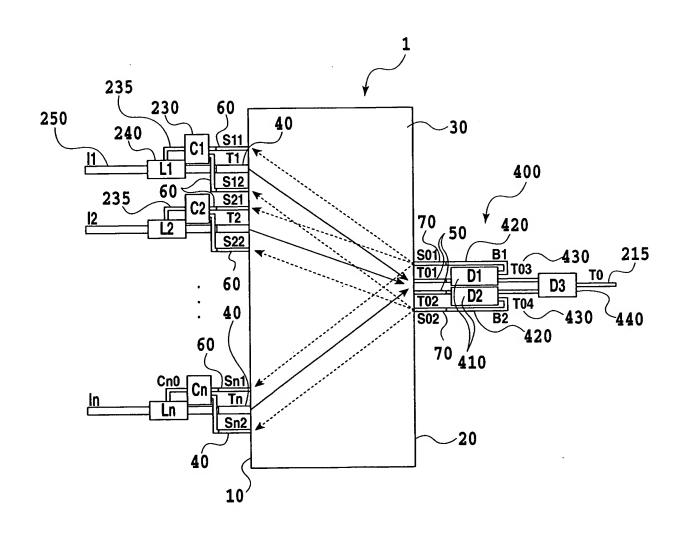
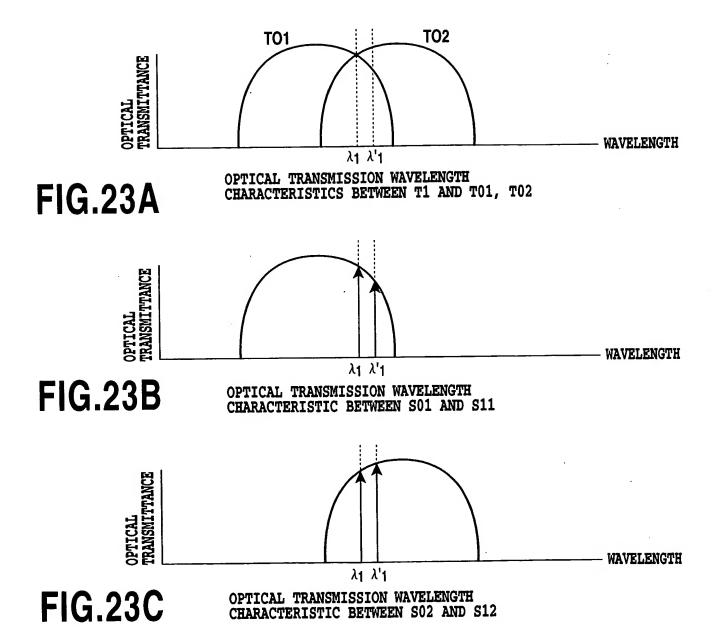


FIG.22



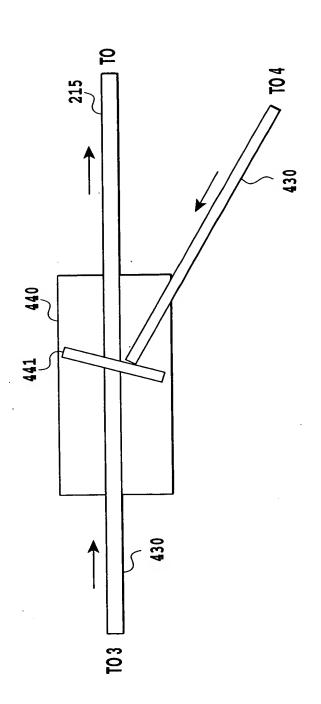
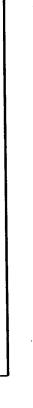
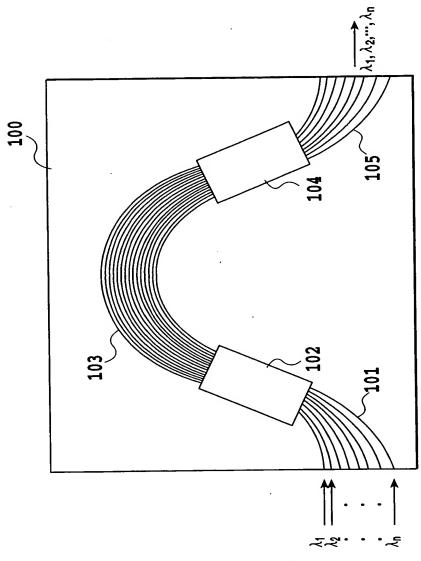


FIG.24





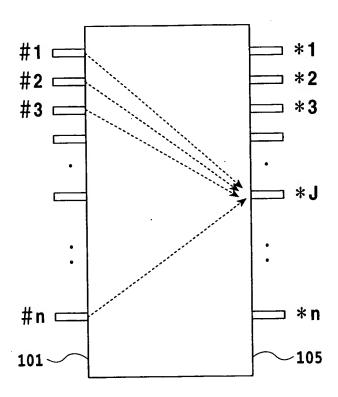
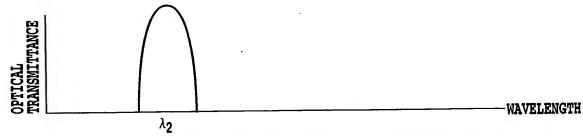


FIG.26



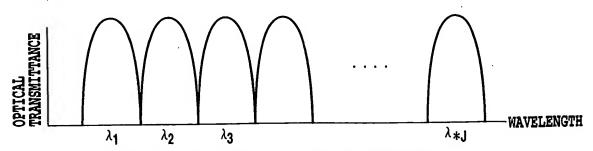
(c) OPTICAL TRANSMISSION CHARACTERISTIC BETWEEN #1 AND *j

FIG.27A



(d) OPTICAL TRANSMISSION CHARACTERISTIC BETWEEN #2 AND *j

FIG.27B



(e) SYNTHESIZE AND DISPLAY OPTICAL TRANSMISSION CHARACTERISTICS BETWEEN #1, #2, ..., #n AND *j

FIG.27C